



## Targeted DNA/RNA Capture Magnetic Particles-COOH PRODUCT DATA SHEET

### Targeted DNA/RNA Capture Magnetic Particles-COOH

#### Description

Molecular diagnosis is the field that aims to develop nucleic-acid-based analytical methods for biological markers and gene expression assessments by combining laboratory medicine and molecular genetics. As it gradually becomes a clinical reality, molecular diagnosis could benefit from improvements resulting from thorough studies that could enhance the accuracy of these methods. The application of magnetic particles in molecular diagnosis tools has led to tremendous breakthroughs in terms of specificity, sensitivity, and discrimination in bioassays. This series of magnetic microspheres is a monodisperse microsphere product, which has the advantages of fast magnetic response, good suspension, large specific surface area, good stability, and small difference between batches. Abvigen Targeted DNA/RNA Capture Magnetic Particles-COOH is an ideal choice for capturing target molecules.

For custom sizes, formulations or bulk quantities please contact our customer service department.

**Website:** [www.abvigen.com](http://www.abvigen.com) **Phone:** +1 929-202-3014 **Email:** [info@abvigenus.com](mailto:info@abvigenus.com)

#### Characteristics

Concentration: 25 mg/ml

Particle Size: 0.6~5 um

Surface Group: COOH

Storage Condition: Store at 2 - 8°C, do not freeze

Quality guarantee period: 12 months

#### Features

**Superparamagnetic:** Excellent resuspension

**Hydrophilic surface:** Low non-specific binding

**Uniform diameter, CV < 5%:** High reproducibility

**Large scale production:** Batch-to-batch consistency, superior quality with consistent test results

1378 US-206 Ste 6-126, Skillman, NJ USA

Email:

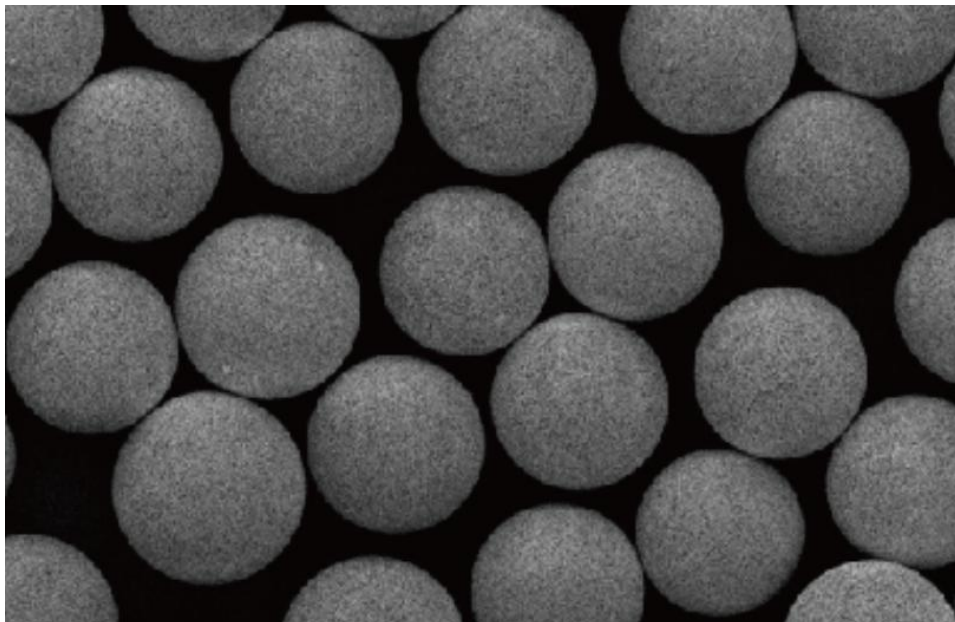
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#### Electron microscope image of Targeted DNA/RNA Capture Magnetic Particles-COOH



#### Storage

This product should be stored at 2 - 8°C. **DO NOT FREEZE.**

#### Notes

1. Do not store the magnetic microsphere below 0°C, and balance the magnetic microsphere to room temperature before use (the volume is less than 10 mL for 30 min balance, greater than 10 mL, extend the balance time as appropriate).
2. Before absorbing magnetic microspheres, ensure that they are fully mixed to avoid bubbles caused by violent oscillation.
3. It is recommended to use a good quality pipette suction head and reaction tube to avoid losses caused by adhesion to magnetic microspheres and solution.
4. Avoid magnetic microspheres being centrifuged at high speed or placed on the magnetic rack for a long time.
5. Avoid magnetic microspheres in a liquid free state for a long time. If there are many samples, it is recommended to discard the supernatant in batches and add the re-suspension reagent.



6. If there is a phenomenon of magnetic microspheres sticking to the wall in a high-salt solution, 0.01%-0.1% Tween 20 can be added to the solution in advance.

7. This product is for scientific research only.

#### **Ordering Information**

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Phone: +1 929-202-3014

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